

APPENDIX

Rejected Claims on Appeal

34. A method on producing and administering a prodrug complex comprising:

- (a) identifying a drug
- (b) selecting a synthetic receptor that specifically binds the drug via a saturable, noncovalent interaction between the drug and the synthetic receptor that can be competitively inhibited by structural analogs of the drug, said synthetic receptor being selected from the group consisting of antibodies, antibody fragments, oligonucleotides and oligosaccharides;
- (c) specifically binding the identified drug to this selected synthetic receptor to form a prodrug complex; and
- (d) administering the prodrug complex to an organism.

35. The method of claim 35 further comprising attaching the prodrug complex to a biologic or biocompatible structure.

36. A method of producing a multi-prodrug complex or administration to an organism, said multi-prodrug complex comprising at least two prodrug complexes, wherein at least one of the prodrug complexes is produced and administered in accordance with the method of claim 30, 32 or 34.

37. A prodrug complex for administration to an organism, said prodrug complex comprising a drug specifically bound to a synthetic

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receptor and being produced and administered in accordance with the
method of claim 30, 32 or 34.

38. A drug delivery device system comprising the prodrug complex of claim 27 attached to a biologic or biocompatible structure selected from the group consisting of molecules, molecular complexes, microstructures, cells, vesicles, microparticles, polymers, gels, matrices, blood forming elements, reticuloendothelial cells, liposomes, microspheres, nanostructures, biopolymers, multimolecular complexes, cell membranes, implants and prosthetic devices.

35. A multi-prod-rug complex for administration to an organism, said multi-prodrug complex comprising at least two prodrug complexes, wherein at least one of the prodrug complexes is produced and administered in accordance with the method of claim 30, 32 or 34.

40. A drug delivery device system comprising the prod-rug complex of claim 39 attached to a biologic or biocompatible structure selected from the group consisting of molecules, molecular complexes, microstructures, cells, vesicles, microparticles, polymers, gels, matrices, blood forming elements, reticuloendothelial cells, liposomes, microspheres, nanostructures, biopolymers, multimolecular complexes, cell membranes, implants and prosthetic devices.